



## SEQUENCE LISTING

<110> Shionogi & Co., Ltd.  
Maeda, Tomoko  
Ochi, Takahiro  
Suzuki, Ryuji

<120> METHODS FOR ISOLATION OF OSTEOCLAST PRECURSOR CELLS AND INDUCING THEIR DIFFERENTIATION INTO OSTEOCLASTS

<130> 197679US0PCT

<140> 09/646,899

<141> 2000-10-10

<150> JAPAN 95962/1998

<151> 1998-04-08

<150> JAPAN 170407/1998

<151> 1998-06-18

<160> 2

<170> PatentIn version 3.1

<210> 1

<211> 467

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (28) .. (309)

<223>

<400> 1

cctgagaagg gcctgatttg cagcatc atg atg ggc ctc tcc ttg gcc tct gct  
Met Met Gly Leu Ser Leu Ala Ser Ala  
1 5

54

gtg ctc ctg gcc tcc ctc agt ctc cac ctt gga act gcc aca cgt  
Val Leu Leu Ala Ser Leu Ser Leu His Leu Gly Thr Ala Thr Arg  
10 15 20 25

102

ggg agt gac ata tcc aag acc tgc tgc ttc caa tac agc cac aag ccc  
Gly Ser Asp Ile Ser Lys Thr Cys Cys Phe Gln Tyr Ser His Lys Pro  
30 35 40

150

ctt ccc tgg acc tgg gtg cga agc tat gaa ttc acc agt aac agc tgc  
Leu Pro Trp Thr Trp Val Arg Ser Tyr Glu Phe Thr Ser Asn Ser Cys  
45 50 55

198

tcc cag cgg gct gtg ata ttc act acc aaa aga ggc aag aaa gtc tgt  
Ser Gln Arg Ala Val Ile Phe Thr Thr Lys Arg Gly Lys Val Cys

246

60

65

70

acc cat cca agg aaa aaa tgg gtg caa aaa tac att tct tta ctg aaa 294  
 Thr His Pro Arg Lys Lys Trp Val Gln Lys Tyr Ile Ser Leu Leu Lys  
 75 80 85

act ccg aaa caa ttg tgactcagct gaattgtcat ccgaggacgc ttggaccccg 349  
 Thr Pro Lys Gln Leu  
 90

ctcttggtc tgcagccctc tggggagcct gcggaatctt ttctgaaggc tacatggacc 409  
 cgctggggag gagagggtgt ttcctcccag agttacttta ataaaggttg ttcatagt 467

&lt;210&gt; 2

&lt;211&gt; 94

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2

Met Met Gly Leu Ser Leu Ala Ser Ala Val Leu Leu Ala Ser Leu Leu  
 1 5 10 15

Ser Leu His Leu Gly Thr Ala Thr Arg Gly Ser Asp Ile Ser Lys Thr  
 20 25 30

Cys Cys Phe Gln Tyr Ser His Lys Pro Leu Pro Trp Thr Trp Val Arg  
 35 40 45

Ser Tyr Glu Phe Thr Ser Asn Ser Cys Ser Gln Arg Ala Val Ile Phe  
 50 55 60

Thr Thr Lys Arg Gly Lys Lys Val Cys Thr His Pro Arg Lys Lys Trp  
 65 70 75 80

Val Gln Lys Tyr Ile Ser Leu Leu Lys Thr Pro Lys Gln Leu  
 85 90